

WHAT IS CLAIMED IS:

1. A spraying system comprising:
a spray gun having a discharge end, a locating pin being arranged on the discharge end of the spray gun; and
a spray nozzle selectively mountable on the discharge end of the spray gun, the spray nozzle having a discharge orifice configured to produce a asymmetrically distributed fluid discharge pattern wherein the location of maximum fluid discharge is offset from the center of the fluid discharge pattern, the spray nozzle having an alignment notch extending along an outer surface of the spray nozzle,
wherein the locating pin is arranged on the spray gun and the alignment notch is arranged on the spray nozzle such that when the spray nozzle is mounted on the discharge end of the spray gun in a predetermined orientation the locating pin extends into the alignment slot.
2. The spraying system according to claim 1 wherein the alignment notch extends a majority of the length of the spray nozzle.
3. The spraying system according to claim 1 further including a retaining element for securing the spray nozzle to the discharge end of the spray gun.
4. The spraying system according to claim 3 wherein the spray nozzle includes a retaining flange at an inlet end thereof which is engaged by the retaining member when the spray nozzle is secured on the discharge end of the spray gun by the retaining member.
5. The spraying system according to claim 4 wherein the alignment notch extends through the retaining flange on the spray nozzle.
6. The spraying system according to claim 1 wherein the alignment notch extends in a longitudinal direction of the spray nozzle.
7. The spraying system according to claim 6 wherein the alignment notch extends to an inlet end of the spray nozzle.
8. A spray nozzle comprising a nozzle body and a spray tip, the spray tip including a discharge orifice configured to produce a asymmetrically distributed fluid discharge pattern wherein the location of maximum fluid discharge is offset from the center

of the fluid discharge pattern, the nozzle body having an alignment notch extending in a longitudinal direction of the spray nozzle along an outer surface of the nozzle body, the alignment notch being arranged in a predetermined orientation relative to the discharge orifice.

9. The spray nozzle according to claim 7 wherein the alignment notch extends a majority of the length of the spray nozzle.

10. The spray nozzle according to claim 8 wherein the alignment notch extends to an inlet end of the spray nozzle.